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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Someshwara Hill and surrounding areas at Attur Ward No.03 in Yelahanka Satellite Town Sub Division

CIVIL WORKS MEASUREMENT

1ST AND PART BILL

DETAILED MEASUREMENT

Sl No	Description of Items	Unit	NO	No	Length	Width	Depth	Quantity	Rate	Amount	REMARKS
1	KSRRB 200-9. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of thorny jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2										
	As per pre-measurement Recorded in Page No . 1							11625.70			
								Total Qty	11625.70		
								Qty Upto 125%	6437.50		
								Qty Above 125%	5188.20		
		SQM						Qty to be paid	11625.70	15.90	184848.63
2	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications, 8km lead										
	As per pre-measurement Recorded in Page No . 2							745.75			
		CUM						Present Qty	745.75	215.28	160544.82
3	KSRRB M300-19. Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specifications. MORTH Specification No. 301										
	As per pre-measurement Recorded in Page No . 3							3513.40			
		CUM						Present Qty	3513.40	55.46	194853.16
5	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.										
	As per pre-measurement Recorded in Page No . ④							91.98			
								Present Qty	91.98	5421.90	498707.99



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BBMP, Bangalore - 92

Sl No	Description of Items	Unit	NO	No	Length	Widt h	Depth	Quantity	Rate	Amount	REMARKS
7	KSRB 4-1.5 : Providing and laying in position plain cement concrete of Mix M20 with OPC @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggretes @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.										
	As per pre-measurement Recorded in Page No. 5				29/9/21 to 29/10/21			15.92			
	Measurements taken on										
	Plinth Beam										
	A to B		1	1	10.80	0.30	0.45	1.46			
			1	1	17.30	0.30	0.45	2.34			
			1	1	14.30	0.30	0.50	2.15			
			1	1	15.60	0.30	0.50	2.34			
	B to C		1	1	21.00	0.30	0.45	2.84			
			1	1	20.40	0.30	0.45	2.75			
	C to D		1	1	2.10	0.30	0.45	0.28			
	T to U		1	1	8.40	0.30	0.42	1.06			
	U to V		1	1	5.10	0.30	0.43	0.66			
	V to W		1	1	12.90	0.30	0.43	1.66			
	W to X		1	1	30.00	0.30	0.42	3.78			
			1	1	7.60	0.30	0.43	0.98			
	Column concrete		1	12	0.55	0.45	0.50	1.49			
			1	13	0.25	0.45	0.50	0.73			
	Column deduction		-1	12	0.55	0.30	0.50	-0.99			
			-1	13	0.25	0.30	0.50	-0.49			
	CUM						Present Qty	38.95	5647.68	219958.36	



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SI No	Description of Items	Unit	NO	No	Length	Wid h	Depth	Quantity	Rate	Amount	REMARKS
	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13										
	As per pre-measurement Recorded in							441.86			
	Page No . 7 to 8										
	Measurements taken on										
	SSM										
	C to D		1	1	2.10	0.80	0.92	1.55			
	D to E		1	1	11.40	0.54	0.69	4.25			
	E to F		1	1	11.90	0.54	0.69	4.43			
	F to G		1	1	7.00	0.54	0.69	2.61			
	G to H		1	1	30.00	0.54	0.69	11.18			
	H to I		1	1	8.60						Gate Portion
	I to J		1	1	25.00	0.54	0.69	9.32			
			1	1	5.40	0.54	0.69	2.01			
	J to K		1	1	6.20	0.54	0.69	2.31			
	K to L		1	1	9.50	0.63	0.69	4.13			
	L to M		1	1	19.70	0.60	0.69	8.16			
	M to N		1	1	7.34	0.60	0.69	3.04			
	N to O		1	1	28.90	0.58	0.69	11.57			
	O to P		1	1	30.00	0.60	0.69	12.42			
			1	1	7.60	0.60	0.69	3.15			
	P to Q		1	1	25.00	0.62	0.45	6.98			
			1	1	25.00	0.62	0.45	6.98			
			1	1	13.90	0.62	0.45	3.88			
	Q to R		1	1	22.50	0.70	0.69	10.87			
	R to S		1	1	22.60	0.80	0.69	12.48			
								Present Qty	563.14		
								Qty Upto 125%	532.56		
								Qty Above 125%	30.58		
	CUM							Present Qty	563.14	4871.76	2743478.96



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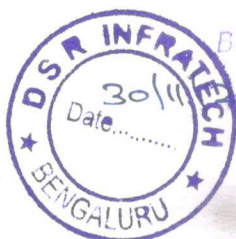
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SI No	Description of Items	Unit	NO	No	Length	Wid h	Depth	Quantity	Rate	Amount	REMARKS
12	Fabricating providing and erecting in position of MS Hot Dip galvanized sq hallow poles of 132 x132 heavy gauge length 3000mm with MS Hot Dip galvanized grill work as per approved design and drawing of chief architect using 12 x75mm galvanized flat for alround frame and 20 x 20mm galvanized forged ornamental arrow head in top and buttom the work is inclusive of throughing flat square rods placing welding all the joints including griding finishing 2 coats of anticorrossive paint over one coat of metal primer the rate is inclusive of all materials all items of work cost painting welding cutting griding with lead and lift as per specifications including loading and unloading with cost and conveyance of all materials labour machinery and incidental charges for the successful completion of the work as per direction of engineer in charge of work (Data Rate)										
	Measurements taken on	2/11/21 to 25/11/21									
	Compound grill										
	D to E		1	1	11.40		2.10	23.94			
	C to D		1	1	2.10		2.10	4.41			
	D to E		1	1	11.40		2.10	23.94			
	E to F		1	1	11.90		2.10	24.99			
	F to G		1	1	7.00		2.10	14.70			
	G to H		1	1	30.00		2.10	63.00			
	H to I		1	1	8.60						Gate Portion
	I to J		1	1	25.00		2.10	52.50			
			1	1	5.40		2.10	11.34			
	J to K		1	1	6.20		2.10	13.02			
	K to L		1	1	9.50		2.10	19.95			
	L to M		1	1	19.70		2.10	41.37			
	M to N		1	1	7.34		2.10	15.41			
	N to O		1	1	28.90		2.10	60.69			
	O to P		1	1	30.00		2.10	63.00			
			1	1	7.60		2.10	15.96			
	P to Q		1	1	25.00		2.10	52.50			
			1	1	25.00		2.10	52.50			
			1	1	13.90		2.10	29.19			
	Q to R		1	1	22.50		2.10	47.25			
	R to S		1	1	22.60		2.10	47.46			
	T to U		1	1	8.40		2.10	17.64			
			1	1	5.10		2.10	10.71			
	V to W		1	1	12.90		2.10	27.09			
	W to X		1	1	30.00		2.10	63.00			
			1	1	7.60		2.10	15.96			
	Deduction (T-U)		-1	1	3.60		2.10	-7.56			
							Present Qty	803.96	9144.00	7351446.82	

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Sl No	Description of Items	Unit	NO	No	Length	Width	Depth	Quantity	Rate	Amount	REMARKS
	ISRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.										
	As per pre-measurement Recorded in Page No. 6							79.26			
	Measurements taken on 28/9/21 to 28/10/21										
	plinth beam										
	A to B		2	1	10.80		0.50	10.80			
			2	1	17.30		0.45	15.57			
			2	1	14.30		0.45	12.87			
			2	1	15.60		0.50	15.60			
	B to C		2	1	21.00		0.45	18.90			
			2	1	20.40		0.45	18.36			
	C to D		2	1	2.10		0.45	1.89			
	D to U		2	1	8.40		0.43	7.22			
			2	1	5.10		0.42	4.28			
	V to W		2	1	12.90		0.43	11.09			
	W to X		2	1	30.00		0.42	25.20			
	Column beam bottom to top(A-C)		2	11	0.25		0.45	2.48			
			2	11	0.15		0.45	1.49			
			2	14	0.55		0.50	7.70			
			2	11	0.25		0.50	2.75			
	DPC										
	D to E		1	1	11.40		0.075	0.86			
	E to F		1	1	11.90		0.075	0.89			
	F to G		1	1	7.00		0.065	0.46			
	G to H		1	1	30.00		0.065	1.95			
	H to I		1	1	8.60						
	I to J		1	1	25.00		0.085	2.13			Gate Portion
			1	1	5.40		0.065	0.35			
	J to K		1	1	6.20		0.065	0.40			
	K to L		1	1	9.50		0.067	0.64			
	L to M		1	1	19.70		0.070	1.38			
	M to N		1	1	7.34		0.075	0.55			
	N to O		1	1	28.90		0.075	2.17			
	O to P		1	1	30.00		0.075	2.25			
			1	1	7.60		0.078	0.59			
	P to Q		1	1	25.00		0.080	2.00			
			1	1	25.00		0.080	2.00			
			1	1	13.90		0.075	1.04			
	Q to R		1	1	22.50		0.080	1.80			
	R to S		1	1	22.60		0.080	1.81			
	SQM										
							Present Qty	258.72	273.48	70,754.83	



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Sl No	Description of Items	Unit	NO	No	Length	Width	Depth	Quantity	Rate	Amount	REMARKS
14	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500.										
	As per pre-measurement Recorded in Page No . 11 to 13	tonne						3.58	66712.16	238534.00	
21	KSRRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2										
	Measurements taken on 1/10/21 & 15/11/21										
	DPC(coping)										
	D to E		1	1	11.40	0.54	0.075	0.46			
	E to F		1	1	11.90	0.54	0.075	0.48			
	F to G		1	1	7.00	0.54	0.065	0.25			
	G to H		1	1	30.00	0.54	0.065	1.05			
	H to I		1	1	8.60						Gate Portion
	I to J		1	1	25.00	0.54	0.085	1.15			
			1	1	5.40	0.54	0.065	0.19			
	J to K		1	1	6.20	0.54	0.065	0.22			
	K to L		1	1	9.50	0.63	0.067	0.40			
	L to M		1	1	19.70	0.60	0.070	0.83			
	M to N		1	1	7.34	0.60	0.075	0.33			
	N to O		1	1	28.90	0.58	0.075	1.26			
	O to P		1	1	30.00	0.60	0.075	1.35			
			1	1	7.60	0.60	0.078	0.36			
	P to Q		1	1	25.00	0.62	0.08	1.24			
			1	1	25.00	0.62	0.08	1.24			
			1	1	13.90	0.62	0.075	0.65			
	Q to R		1	1	22.50	0.70	0.08	1.26			
	R to S		1	1	22.60	0.80	0.08	1.45			
	CUM							14.15	5747.32	81,331.96	
71	KSRRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. In depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. Including cost of all labour complete as per specifications. No. KBS 2.9										
	As per pre-measurement Recorded in Page No . 10							196.45			
	CUM							196.45	217.08	42,645.37	
								Total		1,17,87,104.89	
								GST-12%		1414452.59	
								Grand Total		1,32,01,557.48	



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